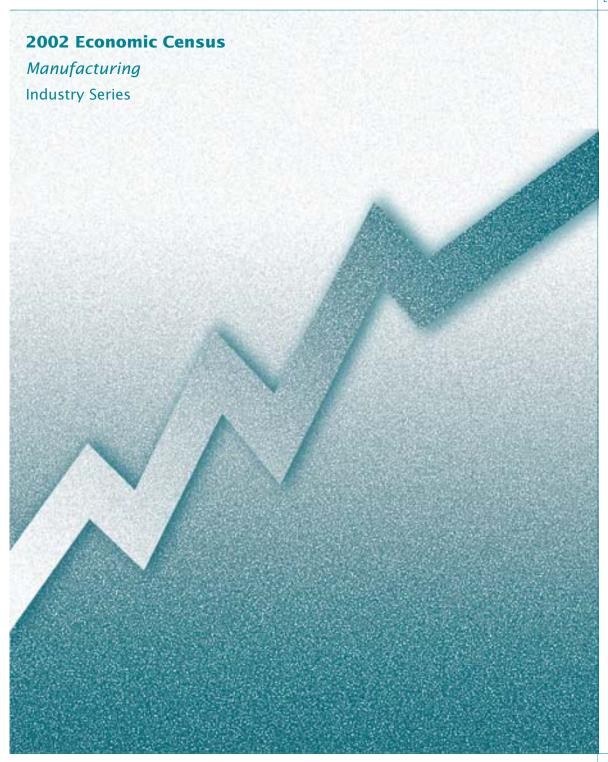
# Light Truck and Utility Vehicle Manufacturing: 2002

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Helping You Make Informed Decisions

U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



#### Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All employees		Production workers				Total	Total	Total capital
Industry and year <sup>1</sup>	Com- panies <sup>2</sup>		Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	materials		expendi- tures (\$1,000)
336112, Light truck and utility vehicle											
manufacturing2002	66	94	106 295	7 414 698	96 196	199 036		39 079 960	92 108 529	131 253 523	2 544 310
2001	N	N	98 587	6 222 219	88 959	181 719	5 366 178	26 945 057	93 647 803	120 609 443	1 726 216
2000	N	N	100 808	6 934 177	90 316	189 061	6 078 131	27 845 348	93 503 982	121 185 408	2 495 320
1999	N	N	99 291	6 820 089	90 504	199 573	6 025 140	42 081 449	103 247 527	145 329 045	2 769 488
1998	N	N	92 170	5 464 176	84 542	172 048	4 830 976	33 284 816	81 185 970	114 494 833	2 078 682
1997	84	111	94 018	5 399 885	86 439	180 288	4 775 997	39 377 004	70 865 243	110 178 158	1 769 486

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments <sup>2</sup>		All employees		Production workers						
Industry and geographic area	E¹	Total	With 20 em- ploy- ees or more	Number <sup>3</sup>	Payroll (\$1,000)		Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	
336112, Light truck and utility vehicle manufacturing												
United States Michigan Missouri	-  -  -	94 6 8	39 5 5	106 295 18 642 17 320	7 414 698 1 387 676 1 185 156	96 196 17 200 15 996	199 036 36 856 32 673	6 616 792 1 273 603 1 075 034	39 079 960 6 501 149 4 129 760	92 108 529 17 758 201 16 488 688	131 253 523 24 268 950 20 622 285	

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

Includes establishments with payroll at any time during the year.

Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

#### Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

ltem	Value
336112, Light truck and utility vehicle manufacturing	
Companies <sup>1</sup> number.	66
All establishments <sup>2</sup>	94 55 5 34
All employees3         number           Total compensation         \$1,000           Annual payroll         \$1,000           Total fringe benefits         \$1,000	106 295 10 137 918 7 414 698 2 723 220
Production workers, average for year	96 196 94 916 97 369 96 072 96 418
Production worker hours	199 036 6 616 792
Total cost of materials         \$1,000           Materials, parts, containers, packaging, etc., used         \$1,000           Resales         \$1,000           Purchased fuels         \$1,000           Purchased electricity         \$1,000           Contract work         \$1,000	92 108 529 91 587 924 D D 230 330 11 351
Quantity of electricity purchased for heat and power	5 606 863 S
Total value of shipments         \$1,000           Primary products value of shipments         \$1,000           Secondary products value of shipments         \$1,000           Total miscellaneous receipts         \$1,000           Value of resales         \$1,000           Contract receipts         \$1,000           Other miscellaneous receipts         \$1,000	131 253 523 D D D D D
Primary products specialization ratio percent.  Value of primary products shipments made in all industries \$1,000.  Value of primary products shipments made in this industry \$1,000.  Value of primary products shipments made in other industries \$1,000.	D 131 510 008 D D
Coverage ratiopercent .	D
Value added \$1,000.	39 079 960
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000 Work-in-process inventories \$1,000 Materials and supplies inventories \$1,000	1 809 838 177 503 863 294 769 041
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	1 942 140 228 693 747 070 966 377
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000.  Total capital expenditures (new and used) \$1,000.  Buildings and other structures (new and used) \$1,000.  Machinery and equipment (new and used) \$1,000.  Automobiles, trucks, etc., for highway use \$1,000.  Computers and peripheral data processing equipment \$1,000.  All other expenditures for machinery and equipment \$1,000.  Total retirements \$1,000.  Gross value of depreciable assets at end of year \$1,000.	26 851 726 2 544 310 456 776 2 087 534 5 451 53 918 2 028 165 1 297 161 28 098 875
Depreciation charges during year\$1,000.	1 920 638
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	195 288 46 931 148 357
Total other expenses <sup>4</sup> \$1,000.  Response coverage ratio <sup>5</sup> percent.  Repair and maintenance services of buildings and/or machinery <sup>4</sup> \$1,000.  Communications services <sup>4</sup> \$1,000.  Legal services <sup>4</sup> \$1,000.  Accounting, auditing, and bookkeeping services <sup>4</sup> \$1,000.  Advertising and promotional services <sup>4</sup> \$1,000.  Expensed computer hardware and supplies and purchased computer services <sup>4</sup> \$1,000.  Refuse removal (including hazardous waste) services <sup>4</sup> \$1,000.  Management consulting and administrative services <sup>4</sup> \$1,000.  Taxes and license fees <sup>4</sup> \$1,000.  All other expenses <sup>4</sup> \$1,000.	656 838 98 160 348 7 243 D D 1 603 22 665 22 672 108 422 62 276 270 111

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All emp	oloyees	Production workers				Total	Total	Total
Employment size class	E¹	All estab- lish- ments <sup>2</sup>	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	capital expendi- tures (\$1,000)
336112, Light truck and utility vehicle manufacturing											
All establishments	-	94	106 295	7 414 698	96 196	199 036	6 616 792	39 079 960	92 108 529	131 253 523	2 544 310
1 to 4 employees	9 9 9 8	44 6 5 5	77 44 59 151	4 736 2 757 3 388 6 186	71 38 49 134	132 74 88 224	4 236 2 470 2 689 4 904	15 694 8 246 8 233 18 089	65 625 29 683 28 947 42 524	81 319 37 698 37 269 58 267	2 712 1 141 1 301 2 454
50 to 99 employees	_		-		_ _	_	_	_ _	_ _	_ _	_ _
250 to 499 employees	- -	- - 12	22 629	1 453 903	19 568	38 983	1 215 528	6 256 036	- 16 060 481	22 363 713	1 147 293
2,500 employees or more	-	22	83 335	5 943 728	76 336	159 535	5 386 965	32 773 662	75 881 269	108 675 257	1 389 409
Administrative records <sup>4</sup>	9	41	67	3 885	61	111	3 444	12 852	53 746	66 598	2 222

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All	All employees		Pr	oduction work	ers		Total	Total	Total capital
		estab- lish- ments <sup>1</sup>	Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
336112	Light truck and utility vehicle manufacturing	94	106 295	7 414 698	96 196	199 036	6 616 792	39 079 960	92 108 529	131 253 523	2 544 310
3361120	Light truck and utility vehicle manufacturing	94	106 295	7 414 698	96 196	199 036	6 616 792	39 079 960	92 108 529	131 253 523	2 544 310

<sup>&</sup>lt;sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

#### Products Statistics: 2002 and 1997 Table 6a.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
336112	Light truck and utility vehicle manufacturing	N	X	X	131 510 008 107 172 812	
3361120	Light truck and utility vehicle manufacturing	N N	X	X X	131 510 008 107 172 812	
33611201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 lb or less, including minivans and sport utility vehicles	N N	X	X	131 303 567 107 076 117	
3361120100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,000 ib or less, including minivans and sport utility vehicles	10	X	6 591 275.0	131 303 567	
3361120Y	Light truck and utility vehicle manufacturing, nsk, total	18 20 N	Ñ X	6 591 275.0 S X	107 076 117 206 441	
3361120YWW	Light truck and utility vehicle manufacturing, nsk, for nonadministrative-record establishments	N N	X X	X X	96 695 139 924	
3361120YWY	1997	N N	x	î x	60 663	
330112U1W1	Light truck and utility vehicle manufacturing, nsk, for administrative-record establishments	N N	X	X X	66 517 36 032	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

## Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

### Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336112	Light truck and utility vehicle manufacturing		
00900001	Total materials	X	91 587 924 70 450 770
33631200	Gasoline engines and parts specially designed for gasoline engines	X X X X X	14 122 960 10 867 605
33361803	Diesel engines and parts specially designed for diesel engines	X	2 434 370 D
33635007	Drive train components and parts	X	12 285 473 13 051 022
33621101	Car bodies	X X X	D D
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	3 037 672
33633000	Shocks, struts, and other suspension equipment and parts		1 811 803 5 960 085
33639901	1997 Exhaust systems and parts	XX	3 601 787 2 802 470
33351501	Machine tool accessories, including cutting tools	X X X X X	1 291 015 D
33399601	1997 Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)		D 469 832
33291207	1997 Fluid power valves (hydraulic and pneumatic)	XX	156 967 D
33399501	1997   Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X X X X X	D D
33291203	1997 Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic)		D D
33399901	1997 Fluid power filters (hydraulic and pneumatic)	X X	D 20 645
00190087	1997 Other transportation related fluid power products, hydraulic and pneumatic	X X X X X	D D
33637000	1997 Automotive stampings (including body parts, hubcaps, fenders, etc.)		N 6 695 429
33261100	Steel springs (excluding wire)	X X X	9 707 741 464 648
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), excluding	â	732 197
00201011	forgings	X X	653 221 D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products		704 148
33200049	Other fabricated metal products (excluding forgings)	X	1 179 160 1 419 994
33210000	Forgings	X X X X X	1 278 150 25 589 N
33100035	Castings, rough and semifinished		70 462
33100033	Metal shapes and forms (excluding castings, forgings, and fabricated metal products)	XX	970 593
33299101	Ball and roller bearings (mounted or unmounted)	X X X X X	D 25 635
32621003	Pneumatic tires and inner tubes		15 593 1 955 906
32622001	1997   Rubber and plastics hose and belting	XX	2 139 371 666 186
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets)	X X X X	D
33999103	Gaskets (all types), and packing and sealing devices	x x	D D
32610033	1997 Fabricated plastics products (including components, housings, accessories, etc.), excluding	X	D
	gaskets, hose and belting	X X X	1 943 896 308 198
32720005	Glass and glass products (including windows and mirrors)	XX	2 068 503 1 323 694
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X X	7 112 647 2 955 253
33636007	Seat covers, seat belts, and shoulder harnesses	X X X X	553 645 545 257
33639911	Automotive air bag assemblies and parts	XX	1 059 787 1 045 713
33636001	Automotive trimmings, textile (panels, headliners, etc.)	X	4 485 697 2 414 163
31411003	Carpeting	X X X X	839 132 363 298
32700035	Ceramic and ceramic composite parts, components, and accessories	XX	D -
32552002	Glues and adhesives	×	D N
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product	X X	674 702 N
33632200	Engine electrical equipment (including spark plugs, magnetos, generators, starters, etc.)	X X X X	2 418 708 740 224
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures), excluding auto lamps		616 706
33511003	excluding auto lamps	X X X X	D
33591103	Storage batteries, automotive		137 388 492 774 382 820
	1997		162 297
33431001	Automotive radios and loudspeakers	X	1 698 910 1 516 452
33451400	Motor vehicle clusters, meters, and gauges (including speedometers and fuel level gauges), excluding electrical	X X X	1 954 689
	1997	X	D D

See footnotes at end of table.

#### Materials Consumed by Kind: 2002 and 1997—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336112	Light truck and utility vehicle manufacturing—Con.		
33411103	Purchased computers for incorporation into motor vehicles, trucks, and buses	×	262 404
00970099	All other materials and components, parts, containers, and supplies	ĵ	4 331 497 4 056 276
00971000	Materials, ingredients, containers, and supplies, nsk .20021997	X X	156 683 2 077 977

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.